

Peak District National Park

Forecast valid from 00:00 on Friday 30 Dec 2022 until 23:59 on Saturday 31 Dec 2022

Forecast Issued on Thursday 29 Dec 2022 at 16:02

Confidence: High for unsettled conditions to last through the weekend and much of next week with a window of quieter weather on Monday. Lower confidence for rain and snow details for each day, especially Saturday and Sunday.

Headline for Friday 30 Dec 2022: Outbreaks of rain in morning, drier in afternoon. Windy conditions.

Mountain weather hazards on Friday 30 Dec 2022

Blizzards

No Likelihood

Gales

Medium Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

No Likelihood

Heavy persistent rain

No Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
				Time			
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Cloudy	Light rain	Heavy Rain	Heavy Rain	Fog	Cloudy	Cloudy	Cloudy
Precipitation probability							
30%	70%	>95%	>95%	60%	20%	20%	20%

Forecast for Friday 30 Dec 2022

Weather: Outbreaks of rain will arrive overnight and continue through the morning, heavy at times but becoming lighter and patchy by midday. Becoming drier from early afternoon with bright or clear spells and scattered showers.

Chance of cloud-free hill tops above 600m: Less than 10% in morning, improving to 70% in afternoon.

Low cloud and visibility: Poor in the morning and early afternoon with extensive cloud and fog above 300 or 400m giving difficult navigation conditions. Improving on most slopes during the afternoon with cloud mainly lifting above summits but brief reductions in visibility in showers.

Forecast for Friday 30 Dec 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	27/38 SW	37/48 S	37/49 S	36/48 S	30/41 SW	31/41 W	30/40 SW	28/38 SW	24/35 SW
300	20/33 S	28/40 S	28/40 S	27/39 S	23/34 S	20/30 SW	20/30 SW	19/30 SW	18/30 SW
Valley	11/29 S	16/37 S	18/39 S	17/38 S	15/32 S	13/29 SW	12/28 SW	11/27 SW	11/28 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-5	3/-5	4/-4	5/-2	6/0	5/-2	4/-2	4/-2	4/-1
300	4/-1	5/-1	6/0	7/2	8/4	7/3	6/2	7/2	7/3
Valley	4/-0	6/1	7/2	7/3	9/5	8/4	7/4	6/3	7/4
Freezing Level*	900m	1100m	1300m	1700m	1900m	1200m	1200m	1200m	1200m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Windy conditions, especially during the morning with gusts of 45 to 55mph giving difficult walking conditions on the tops.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Thu 29 Dec 2022	6.4mm	28.6mm	31mm

Forecast for Saturday 31 Dec 2022

Weather: A spell of continuous rain overnight, heavy at times. This will clear for a time in the morning then further rain in the afternoon. There is a small chance of hail and thunder.

Maximum wind: Southwesterly 25-30mph gusts 45mph, easing to 20mph gusts 30mph.

Chance of cloud-free hill tops above 600m: 40%.

Low cloud and visibility: Often poor with frequent cloud and fog above 500m and patches on lower slopes. Perhaps improving for a time in the morning.

Temperature: **Valleys:** Plus 7C rising to 9C.
At 600m: Plus 5 or 6C.
Freezing level: Above summits.